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3. Document Type: <table border="0"><tr><td><input checked="" type="checkbox"/> Letter</td><td>a. If letter or memo:</td></tr><tr><td><input type="checkbox"/> Memorandum</td><td>To: J. R. Horan, Director Health and Safety</td></tr><tr><td><input type="checkbox"/> Report</td><td>Division</td></tr><tr><td><input type="checkbox"/> Publication</td><td>From: W. P. Gammill, Chief Site Survey Branch</td></tr><tr><td><input type="checkbox"/> Other (Specify)</td><td>Subject: ACTIVITY REPORT - SITE SURVEY BRANCH - APRIL 1961</td></tr></table>			<input checked="" type="checkbox"/> Letter	a. If letter or memo:	<input type="checkbox"/> Memorandum	To: J. R. Horan, Director Health and Safety	<input type="checkbox"/> Report	Division	<input type="checkbox"/> Publication	From: W. P. Gammill, Chief Site Survey Branch	<input type="checkbox"/> Other (Specify)	Subject: ACTIVITY REPORT - SITE SURVEY BRANCH - APRIL 1961
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6. Name and telephone number of person completing form: Thomas L. Baccus (208) 525-0696	7. Organization: Lockheed Idaho Technologies Co.	8. Date: May , 1995										

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HUMAN RADIATION EXPERIMENTS

RECORDS PROVENANCE FORM

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COLLECTION NAME	AIRCRAFT NUCLEAR PROPULSION (ANP) PROGRAM
BOX NUMBER	INEL BOX NO. 22305 FRC AGENCY BOX NO. 30 FRC NO. 150673 ACCESSION NO. 430 78 0073
ADDITIONAL LOCATION INFORMATION	THE BOX IS STORED AT THE FEDERAL RECORDS CENTER (FRC) IN SEATTLE, WA. INEL RECORDS STORAGE RECEIPT NUMBER IS 2506 FOLDER: SITE SURVEY BRANCH MONTHLY REPORTS 1960 - 1961
FILE TITLE	ACTIVITY REPORT OF THE SITE SURVEY BRANCH - APRIL 1961
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DOCUMENT NO.: T070279

DOCUMENT TITLE: ACTIVITY REPORT OF THE SITE SURVEY BRANCH -
APRIL 1961

CROSS REFERENCES:

ITEMS OF INTEREST:

John R. Horan, Director
Health and Safety Division

May 9, 1961

W. P. Gammill, Chief
Site Survey Branch

ACTIVITY REPORT - SITE SURVEY BRANCH - APRIL 1961

HSSS:GW

MONITORING

General: The total number of samples collected during April were as follows:

<u>Air Samples</u>				<u>Water Samples</u>	
<u>Low Vol</u>	<u>High Vol</u>	<u>Fallout</u>	<u>Film Badges</u>	<u>On-Site</u>	<u>Off-Site</u>
102	—	117	290	70	1

The maximum gross beta activity detected at the Idaho Falls station was less than 0.2 $\mu\text{uc}/\text{m}^3$.

CPP: Rala run #055 was made on April 11-12, 1961, with approximately 0.3 curies of iodine-131 released to the atmosphere from April 11 to April 14.

SL-1: Health Physics Section personnel spent approximately 500 man hours in decontaminating Fillmore Blvd. On April 6, the road was opened for government vehicles only and on April 26, it was opened to all "Official Business Only" vehicles. Major method of decontamination was washing with Fire Department equipment. This was found to be satisfactory except near the SL-1 Gate, the decontamination area on Fillmore and at Fillmore-Highway 20 intersection. Approximately 500 gallons of "fixer" were used on these areas to prevent spread of contamination.

ETR: All GE-ANP experiments at ETR have been terminated indefinitely.

(Continued)

REPOSITORY INEL

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BOX No. FILE: SITE SURVEY BRANCH MONTHLY ACTIVITY REPORTS 1960-1961

FOLDER ACTIVITY REPORT FOR APRIL 1961

May 9, 1961

GCRE: A radiation survey of residual contamination from drainage water flowing southwesterly from GCRE was made on April 20. Contamination was found to exist out to 0.7 miles from GCRE. The width of the contaminated area varied from one yard to approximately 30 yards. Maximum dose rate detected was 20 mr/hr with an average value of 1-5 mr/hr near the surface.

TELEMETERING

Branch personnel participated in radio transmission tests to determine the possibility of locating telemetering stations at Cargy and Dietrich. The test indicates that it will be feasible to locate stations in the general area of these towns.

DESIGN REVIEWS

Review of PPCo facilities in CFA using radioactive materials and Health and Safety Division facilities was made this month. The Health Physics review of GCRE was issued on April 21.

Five sets of drawings and specifications for proposed facilities at the NRTS were reviewed preliminary hazard report for BORE was reviewed.

HEALTH PHYSICS FELLOWSHIP PROGRAM

Preliminary scheduling of the NRTS training program for Health Physics Fellowship students was completed this month.

WASTE MANAGEMENT SECTION

Research: Work under well drilling contract AF(10-1)1054 was completed on April 6.

Recording of the level of the MTR-EFR disposal pond was initiated upon completion and acceptance of a stilling well.

(Continued)

May 9, 1961

Packers have been installed in 14 wells at the ICPP in preparation for tracer work. A purchase contract for sampling pumps in connection with the same work was awarded by PPCo. Bids for the "Head Measuring System" involving transducers were received.

Samples from the observation wells in the vicinity of the MTR and CPP were taken on a routine schedule.

Waste Disposal: During March the waste disposed to the environment was as follows:

<u>Liquid</u>		<u>Air</u>	<u>Solid</u>	
<u>Activity</u> <u>Curies</u>	<u>Volume</u> <u>Gallons</u>	<u>Activity</u> <u>Curies</u>	<u>Activity</u> <u>Curies</u>	<u>Volume</u> <u>Cubic Ft.</u>
183	42,931,900	20,890	644	49,603

GENERAL

Branch personnel participated in OPAL-61 on April 26-28.

HSSS

HSSS

HSSS

GWehmann:ms

BLSchmalz

WPGammill

5/9/61